

## Biorefineries from a chemical industry perspective

### AGENDA

17<sup>th</sup> October 2022

Webinar

Time	Topic
10:00 – 10:10	<b>Welcome</b>
10:10 – 10:25	<b>Circular economy and electrification of industrial processes</b> Lucia Fernandez, PhD HaDEA, European Commission
10:25 – 10:40	<b>LIBERATE project: Lignin Biorefinery Approach using Electrochemical Flow</b> Sonia Matencio, PhD Leitat
10:40 – 11:00	<b>Investigation of Lignin derived Monomers for Polyamides – Challenges and Opportunities</b> Frank Weinelt, PhD Evonik
11:00 – 11:20	<b>Phenol Extracts from Lignin Electrochemical Flow: Antioxidant Approach</b> Joaquim Gordo, PhD Oxiris
11:20 – 11:30	<b>Questions and discussion</b>
11:30 – 11:40	<b>Break</b>
11:40 – 12:00	<b>Wood Adhesives from Lignin Fractions: A marketable LIBERATE Product</b> Eleftheria Athanasiadou, PhD Chimar Hellas
12:00 – 12:20	<b>Potential applications of biorefinery derived materials in the coatings industry</b> Ioannis Stamatopoulos, PhD Megara
12:20 – 12:40	<b>TBC</b>
12:40 – 12:50	<b>Future Opportunities</b> Francisco Julia Leitat
12:50 – 13:00	<b>Questions and discussion</b>
13:00	<b>End of the webinar</b>



# Liberate

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The LIBERATE initiative, a project under the European Commission Horizon 2020 SPIRE (Sustainable Process Industry through Resources) programme will held a webinar entitled “*Biorefineries from a chemical industry perspective*” on October 17, 2022.

LIBERATE has developed a pilot plant for the conversion of low-cost lignin feedstock into high-value and sustainable chemicals as vanillin and mixed phenolic derivatives through an electrochemical process. The outputs of the pilot plant and other processes implemented at bench scale are being evaluated by five European chemical industries: Evonik, Oxiris, Chimar and Megara. In this webinar, these five chemical industries will review their activities in the replacement of fossil-based by bio-based chemicals

Evonik is one of the world’s leading specialty chemicals companies. Oxiris is a leading manufacturer of antioxidants with a state of the art manufacturing facility. Chimar is an innovating SME that develops chemical technology, R&D and engineering services for the industrial production of adhesives and chemicals, primarily for the manufacture of wood-based and composite panels. Megara is a diversified manufacturer and supplier of raw materials for industrial and architectural coatings as well as resin-based and other synthetic resins for the paint, adhesive, paper and construction industry.

